

^B
The Slag ~~Yath~~ Generator, by R. Rummel.

GERMAN, per, Chem Ing Tech, Vol XXVIII, No 1,
1956, pp 25-30.

~~2/4~~
UICM
Ref No 3141

Sci

Jul 58

68,053

A High-Precision Couette Type Absolute Viscosimeter, by S. Peter and W. Slivka, 10 pp.

GERMAN, per, Chem Ing Technik, Vol XXVIII, No 1, 1956, pp 49-53.

Assoc Tech Serv
93E9C

Sci

Aug 58

Sources of Error in the Determination of Particle
Size Distribution, by W. Batel, 15 pp.

UNCLASS, no par, Chem Ing Tech, Vol XXVIII, 1956,
p. 10-11.

L.
S. J. A. #57-219

Vol. Chemistry
Jan 57 CTS

48,997

Stoppage of Rapid Reactions in Fluidized-Solids Beds,
by F. Petting, E. Wicke, 27 p.

GERMAN, par, Chem-Ing-Technik, 1956, Vol XXVIII,
No 2, pp 88-93.

SIA 59-20261

Sci
Mar 60
Vol 2, No 11

109,544

Problems of the Technical Control of Reactions,
by D. W. van Krevelen.

GERMAN, per, Chem Ing Tech, Vol XXVII, 1956,
pp 124-134.

ASLIB-GB121

Hci

Aug 58

71,594

Physics of Highest Pressures, by F. Kuss, 28 pp.

GERMAN, per, Chem Ing Tech, Vol XXVIII, 1956, pp
141-152.

SLA 58-577

Sci

Aug 59

95,184

Methods and Results of Modern Single-Crystal
Growth, by A. Neuhaus, 20 pp.

CHERMAN, per, Chem-Ingr-Tech, Vol XXVIII, 1956,
pp 155-161.

AEC Tr-4663

S-1 -Chem
Aug 61

165, 382

Investigations of the Transmission Processes in
Fluidized Solids, by Walter Brown, 10 pp.

GERMAN, par, Chem Indus Week, Vol 10, 11, 1951
pp 165-170. 9212360

ADU-EX 5074

ENGL

Sci - Nat & Met

341,439

Apr. 63

Transport Processes and Surface Reactions in the
Combustion of Graphite Carbons, by M. Rossberg,
R. Wicks, 22 pp.

GERMAN, per, Chem Ing Tech, Vol XXVIII, No 3,
1956, pp 181-189.

SLA Tr 57-754

Sci - Physics

50,608

Aug 57

Production of Synthesis Gas in the Otto Engine
With Simultaneous Energy Release, by L. Sceszich,
12 pp.

GERMAN, per, Chem Ing Tech, Vol XXVIII, No 3,
1956, pp 190-195.

SLA Tr 57-354

Sci - Eng
Jul 57

50,037

Technology of Chemical High Pressure Processes,
by L. Raichle.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXVIII, No 3, 1956, pp 203-213.

CSIRO

SLA 61-20816

Sci - Chem

192, 707

Apr 62

The Testing of Agitators by Solubility-Analysis,
by I. F. Kneule, 23 pp.

GERMAN, per, Chem-Ing Tech, Vol. XXVIII, pp 221-
225, 1956.

SLA 3255

Sci - Chem
Aug 58

70,351

A New High-Speed Centrifuge and New Laboratory
Centrifuge, by E. Wiedemann, 18 pp.

GERMAN, par, Chem Ingr Tech, Vol XXVIII, 1956,
pp 263-269.

AEC D80-Inf-Ger-69

Sci - Chem
May 61

150,895

Mathematical Treatment of the Problem of the De-Acidification of Lump Carbonates, in Particular of Limestone, by J. Wuhrer, G. Radetschacher.

GERMAN, per, Chem Ing Tech, Vol XXVIII, No 5, 1956, pp 328-336.

ASLIB-GE39

Sci

Aug 59

95, 368

High Pressure Pumps and Machines, by
C. H. Futterer.

GERMAN, per, Chem Ing Tech, Vol XXVIII,
No 5, 1956, pp 337-342.

A.E.R.E. Harwell Lib Tr
OT/2371

Sci - Engineering
Jul 57

50,691

Methods and Results of Modern Growing of Single
Crystals, pt II, Special Methods of Growing by
A. Rodman, 88 p.

GERMAN, per, Chemie-Ing-Tech, 1956, Vol XXVIII,
No 5, pp 350-355.

SIA 59-1/211

Sci
Jan 60
Vol 2, No 6

105 776

Chemistry and Chemical Requirements at the 1956
German Industrial Exhibition in Hannover, by
Dr Josef Hausen, pp 30 pp.

GERMAN, per, Chem Ing Tech, Vol XXVIII, 1956,
pp 441-472.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FID XX-318

Sci - Chemistry

Aug 57

IAC INTERNAL USE ONLY

51,174

Kirschbaum, E., Busch, W., and Billet, R.
RECTIFICATION IN PACKED TOWERS AT ATMOS-
PHERIC PRESSURE AND AT REDUCED PRESSURES.
[1963] 22p.

Order from K-H \$22.00

K-H 5486 a

Trans. from Chemie-Ingenieur-Technik (West Germany)
1956 [v. 28] no. 7. ~~PF 7-15-75~~

DESCRIPTORS: Purification, *Distillation, *Towers
(Chemistry), Pressure.

(Engineering--Chemical, TT, v. 10, no. 1)

63-17285

- I. Kirschbaum, E.
- II. Busch, W.
- III. Billet, R.
- IV. K-H-5486-a
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Gas Chromatography and Extractive Distillation, by
H. Roeck, 22 pp.

GERMAN, per, Chemie-Ingenieur-Technik, Vol XXVIII,
No 7, 1956, pp 489-495.

SLA 59-10641

ATC/ESG-GJ

Sci - Chem
Sep 59
Vol 2, No 1

97,288

Theoretical Considerations on the Effect of the
Height of the Cooling Wall on the Heat Transfer
in Dropwise Condensation, by R. Gregorig. UNCL

GERMAN, per, Chem Ing Tech, Vol XXVIII, 1958,
pp 551-553.

DSIR 34557/CT

Sci - Phys
Mar 59

83,370

Heat Transfer to Non-Newtonian Fluids for Laminar
Flow Through Tubes, by U. Grigull.

GERMAN, Ger, Chem Ing Tech, Vol XXVIII, No 8/9,
1956, pp 553-556.

Dept of Int
US Bur of Mines
Appalachian Exp Sta
Morgantown, W Va.

AEC Tr 2908

Sci - Chem

84, 621

Management of Spontaneous Combustion of Carbon, by
K. Bratzler.

GERMAN, per, Chem-Ing Tech, Vol 28, No 8/9, 1956,
pp 569-576.

*AEC/ORNL-Tr-2568

Jan 72

Optimum Conditions for the Enrichment of Heavy
Water in Hot-Cold ~~Water~~ Columns, by K.
Bier, 26 pp.

GERMAN, per, Chem Ing Tech, Vol XXVIII, No 10,
1956, pp 625-638.

EMA 57-2975
(Sec Tr 2887)
74

Sci

Aug 58

71,179

MILAZZO, G.

57-2580. The measurement of small vapour pressures. Chem. Ing. Tech., 28, no.10, p.646-654, 1956. (27p.) (AEC-tr-3001)

Industrial Synthesis of Nitriles at High
Pressure and Elevated Temperature, by W.
Fuchs and F. Glaser, 17 pp.

GERMAN

~~Vierteljahr~~, per, Chem Ing Tech, Vol XXVIII, No
11, 1956, pp 689-697.

Assoc Tech Serv-34J14G
A13

Sci

Aug 58

71,588

On the Cracking of Liquid Hydrocarbons by Small
Light Arcs, by H. Kroeppelin, H. Kadelbach, H.
Kopsch, E. Winter, 11 pp.

GERMAN, Per, Chem Ing. Tech., Vol XXVIII, No 1, 1957
pp 703-706.

SIA Tr 57-1970

Sci

Jun 58

65, 912

Progress in the Field of Carbide Production.
by F. Kaess, E. Vogel.

GERMAN, per, Chem -Ing -Tech, Vol XXVIII,
Dec 1956, pp 759-760.

ASLIB-GB39

Sci
Aug 58

782

Heiss, R.
THE STABILITY OF PACKAGED MOISTURE-
SUSCEPTIBLE COMMODITIES. [1961] 14p. 5 refs.
Order from ES \$7.00

Trans. of Chem[em]ing[ement]-Techn[ik] (West
Germany) 1956, v. 28, p. 763-768.

DESCRIPTORS: *Materials, Stability, *Packaging,
Moisture.

(Materials, TT, v. 6, no. 7)

61-25146

- I. Heiss, R.
- II. Stux, Erica, Akron, Ohio

1. 28-76

Office of Technical Services

Rotational Viscosimeter With "Zero Displacement"
Torque Measurement, by J. Pawlowski, 14 pp.

GERMAN, per, Chem Eng Tech, Vol XXVIII,
No 12, 1956, pp 786-793.

ATS-104/192
CIA/FDD X-2750

Sci - Eng
Apr 58

CSIRO

61,939

Precision Distillation Columns, by W. Kuhn, 28 pp.

GERMAN, per, Chem-Ingr-Tech, Vol XXIX, 1957,
pp 6-16.

AEC AERE-Trans-850

Sci - Engr
14 Oct 60

128,911

Drop Formation in Liquids at Jets with
High Throughputs, by W. Siemes, J. F.
Kaufmann, 17pp.
GERMAN, per, Chemie-Ingenieur-Technik,
Vol 29, No 1, 1957, pp 32-38.
CFSTI TT-64-20115.

322,609

Sci - Electronics &
Electrical Engineering
Mar 67

Several New Process Principles With Fluidized
Beds, by E. Wicks.

GERMAN, per, Chem Eng Tech, Vol XXIX, 1957,
p 219.

NRC-C2327

Sci - Chem

Jun 59

89,593

Level Gauge and Control Process, by W. E. Frede,
9 pp.

GERMAN, per, Chem Ing Tech, No 4, 1957, pp 250-
254.

SLA 57-3408

Sci
Apr 59

84,956

Determination of the Solid Content of Hot Waste
Gases by Means of the Electric Microbalance,
by T. H. Gast.
GERMAN, per, Chemie-Ingenieur-Technik, Vol XXIX,
1957, pp 262-266.
CEGB 2968

ASci - Chem
Apr 64

255,127

Advances in Techniques and Applications of
Freeze-Drying. by K. Neumann.
GERMAN, per, Chemie-ing Techn, Vol, 29, No. 4,
1957, pp 267
GB/163

Sci
Aug 67

335
~~255~~-294

Progress in the Method and Use of Freeze-drying, by E. H. Neumann, 29 pp.

GERMAN, per, Chem Ing Tech, Vol XXIX, (Report of Meeting), 1954, pp 267-275.

SLA 57-117

Sci

Aug 58

71,098

REQUEST TR CHECK

17-7-2

BR70-1405

Eng Title: unk

Hampel, B., Luther, H.

Ger ~~per~~ per: Chemie-Ing. Techn. 1957, nr 5,~~305-329~~ 323-329*In process as**HC-23-560-70**R**Negative
Haug 70*

A New Method for Continuous Gas Analyses, by G. M.
Schwag, O. Neuwirth, 12 pp.

GERMAN, per, Chem Ing Tech, Vol XXIX, No 5, pp 345-347,
1957.

SLA 3246

II CH - 8772

Sci - Chem
Aug 58

70,489

B-8
The Enrichment of the Light Uranium Isotope by the
Diffusion Method, by W. Becker, 24 pp.

Full tr

GERMAN, no par, Chemie Ingenieur Technik, No 6, West
Germany, Jun 1957, pp 365-371.

~~XXXXXX~~
CIA/FDD/ X-2515

WEur - West Germany

Sci - Nuclear Physics, nuclear energy, nuclear chemistry

50,674

Kirschbaum, Emil and Lipphardt, Gunter.
PARTIAL CONDENSATION OF BINARY MIXTURES
(Teilkondensation von Zweistoffgemischen). [1960]
[15]p. 2 refs.
Order from SLA mi52. 40, ph\$3.30 61-10458

Trans. of Chem[ist]-[ing[enieur]-Techn[ik] (West
Germany) 1957, v. 29 [no. 6] p. 393-397.

Among the processes for thermal separation of soluble
liquid mixtures that of partial condensation is receiving
increased consideration in basic research. Experi-
mental results are reported which show the relation-
ships between decisive values. Physical explanation of
the findings is given and in addition to separation effect
by partial condensation, heat transfer during condensa-
tion of binary mixtures is discussed. (Author)

(Chemistry--Physical, TT, v. 5, no. 7)

61-10458

1. Mixtures--Separation
2. Vapors--Condensation
- I. Kirschbaum, E.
- II. Lipphardt, G.

148,514

Office of Technical Services

A Differential Refractometer for Precision
Measurements, by O. Bodmann, 5 pp.

GERMAN, part, Chemie-Ingenieur-Technik,
Vol XXIX, No 7, 1957, pp 468-473.

CSJRG

Sci - Engr
Nov 61

174,394

The Possibilities of the Utilization of Carbon
Monoxide-Containing Gases for the Synthesis
of Hydrocarbons, by H. Koelbel. UNCL

GERMAN, per, Chem Ing Tech, Vol XXIX, 1957,
pp 505.

British Iron and Steel Ind 1151
(L1 10 0)

Sci - Chem SLA 61-18727
Apr 59

84,703

Kirschbaum, Emil.

RELATION BETWEEN HEAT AND MATERIAL EX-
CHANGE DURING CONDENSATION OF VAPORS OF
SOLUBLE BINARY MIXTURES (Beziehung Zwischen
Warmer- und Stoffaustausch bei der Kondensation von
Dampfen löslicher Zweistoffgemische). [1960] [16]p.
5 refs

Order from S.A. m\$2.40. ph\$3.30 (1-10465

Trans. of Chemie. Ingenieur-Technik (West
Germany) 1957, v. 29 [no. 9] p. 595-599.

During condensation of vapors of a multicomponent
mixture a relative movement of the components in
the vapor is superimposed on the heat transfer. The
result is that the temperature at the interface be-
tween the phases is lower than in the main body of
vapor. The temperature reduction itself is dependent
on the one hand on the mass exchange index which,
on the other hand, influences the heat transfer, so
that only a part of the temperature gradient between
(Chemistry--Physical, TT, v. 5, no. 7) (over)

(1-10465

1. Mixtures--Separation
2. Vapors--Condensation
1. Kirschbaum, E.

148,515

Freeze-Out Vapors From Gas-Vapors Mixtures With
Forced Tube Circulation, by Ernst A. Riecke.

GERMAN, per, Chem Ing Tech, Vol XXIX, 1957,
pp 603-614.

SIA 58-2380

Sci - Chem
Feb 59

XX-557

CIN 5 mt

79,974

Investigations on the Recovery of Potassium
Chloride From Crude Potassium Salts by
Crystallization, by H. Autenrieth.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXIX, 1957, pp 709-721.

SLA TT-66-10222

INSEEN/
INSDOC/T.4075

Sci
Dec 62

Synthetic Cryolite From High-Silica Grade Fluorspar
and Fluorspar Tailings. Fluorspar Processing, Pt. II.
A. Eienert, 18 pp.

GERMAN, per, Chemie-Ing. Tech., Vol XXIX, No 11, 1957,
pp 721-726.

Assoc Tech Serv
908260

Sci - Chem
May 59
OCH, V I, No 6

ATS-70K-69
SLA-16117

86,346

Liquid Mixing in Narrow Bubble Columns,
by W. Siemes, W. Weiss, 20 pp.
GERMAN, per, Chemie Ingenieur Technik, Vol XXIX,
No 11, 1957, pp 727-732. 9224499
AEC-ORNL-Tr-118

Sci-Chem
Oct 64

267,604

Separation of Liquid Mixtures by Partial Distillation,
by R. Billet.

GERMAN, per, Chemie-Ingenieur-Technik, Vol XXIX,
No 11, 1957, pp 732-742.

C.S.I.R.O.

Sci

May 60

115,749

Heat Exchange During Condensation of Vapour
in the Presence of Inert Gas, by J. Madejski,
34 pp.
GERMAN, per, Chemie-Ing-Techn, Vol 29, No 12,
1957, pp 801-813. 944162566
NSTIC 1142

314,531

Sci - Chemistry
Jan 67

Approximate Equations for the Calculation of
Important Operational Data for Hydro-Cyclones
and Centrifuges, by H. Trawinski.

GERMAN, ptt, Chemie-Ingenieur-Technik,
Vol LXX, No2, 1958, pp 85-95.

CSIRO

Sci - Engr
Jan 62

199, 212

Rumpf, H.
[BASIC] PRINCIPLES AND METHODS OF GRANU-
LATION PTS 1-2. [1963] [65p] 26refs
Order from SLA \$6.60 TT-64-10179

Trans. of Chemie-Ingenieur-Technik (West
Germany) 1958, v. 30, no. 3, p. 144-158.
(Abstract available)

DESCRIPTORS: *Particle size, *Material separation,
Mechanical properties.

The most important characteristics of granulates are
discussed in the first part of the paper from the point
of view of manufacture and application. The term
granulation encompasses two physically different
manufacturing processes, size reduction and size
enlargement. The second part of the paper deals with
the physical principles underlying size enlargement,
and an attempt is made to derive the strength of the
(Engineering--Chemical, TT, v. 11, no. 5) (over)

TT-64-10179

1. Title: Granulation
1. Rumpf, H.

Office of Technical Services

Barth, Walter].

FLOW OF SOLID AND LIQUID PARTICLES IN
GASEOUS MEDIA WITH SPECIAL REFERENCE TO
FLOW PROCESSES IN PNEUMATIC TRANSPORT
(Strömungsvorgänge beim Transport von Festteilchen
und Flüssigkeitsteilchen in Gasen, mit besonderer
Berücksichtigung der Vorgänge bei Pneumatischer
Förderung). [1961] [18]p. 17 refs.
Order from SLA m\$2.40, ph\$3.30 61-10896

Trans. of Chem[ic]-Ing[enieur]-Tech[nik] (West
Germany) 1958, v. 30, no. 3, p. 171-(180).
A translation in French is available from SLA m\$3.00
ph\$6.30 as CBA-tr-A453, 15 Jan 59 [34]p.

For abstract see Technical Translations 2: 722, 1959.

(Machinery, Fabrications, and Accessory Equipment,
TT, v. 5, no. 12)

61-10896

1. Conveyors--Test results
2. Blowers--Test results
1. Barth, W.

NE 1 175
ATS-831-GJ

148691

Office of Technical Services

The Enrichment of Heavy Water by High-Pressure
Exchange Between Hydrogen and an Aqueous Catalyst,
Suspension, by E. W. Becker, R. Hubener, R.
Kessler, 26 pp.

GERMAN, par, Chem Ing Tech, Vol. XXX, 1958, pp
288.

AEC AERE 14b 799

Sci - Chem

Dec 58

78,245

Technical Synthesis of HCN from Methane
and Ammonia without Addition of Oxygen, by
F. Erdter,

GERMAN, Ger, Chemie-Ing-Tech, Vol XXI, pp 305-
310, 1958,

Sci - Chem

May 60

C.S.I.R.O.
ATB-12E24G
ATE/712-65

116, 931

60-19155

Rumpf, H.
SURVEY OF TECHNICAL GRANULATION PROC-
ESSES, tr. by Bertha P. Klenova. Pt. 3 of Basic
Principles and Methods of Granulation. 21 May 59,
20p. 15 refs. [No.] 3801.
Order from LC or SLA m\$2.40, ph\$3.30 60-19155

Trans. of Chem[ie]-Ing[enieur]-Tech[nik] (West
Germany) 1958, v. 30, p. 329-336.

For the various methods of granulation, flow sheets
of the processes are presented in addition to the
schematic diagrams of the equipment used.

148, 343

(Engineering--Chemical, TT, v. 5, no. 7)

1. Particles--Production
2. Materials--Processing
3. Particles--Measurement
4. Title: Granulation
- I. Rumpf, H.
- II. Title: Basic...
- III. TVA-3801
- IV. Tennessee Valley Authority,
Wilson Dam, Ala.

Office of Technical Services

1-13-61

Tantalum as a Material of Construction for
Chemical Plant, by H. Meyll, H. Speidel.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXX, No 5, 1958, pp 337-340.

CSIRO

Sci - Engr
Aug 62

207,356

Prevention of Contamination in the Preparation and
Analysis of Highly Pure Inorganic Substances, by
Franz A. Pohl, 5 pp.
GERMAN, per, Chemie-Ingenieur Technik, Vol XXX,
XI958, pp 347-348.
Natl Bu Stand

Sci - Chem
Nov 64

269,465

Automatic Control of Distillation Columns,
by G. Bogenstatter, and Hengst.

GERMAN, per, Chemie-Ingenieur Technik,
Vol XXXI, No 7, 1959, pp 425-431.

CSIRO

Sci - Engr
Aug 62

207,419

Acetaldehyde as the Raw Material for Acrylonitrile,
by Kurt Sennewald, Karl-Heinz Steil, 29 pp.

GERMAN, per, Chemie-Ingenieur-Technik, Vol XXX,
No 7, 1953, pp 440-446.

SLA 59-15309

Sci

Dec 59

Vol 2, No 4

102, 710

VDI-Process Engineering Section. 5. Internal
Meeting of the "Mixing Processes" Working Commit-
tee on March 20, 1958, in Bad Homburg v. d. H.,
by R. Erdmerger, K. Sigwart, 8 pp.

GERMAN, per, Chemie-Ing-Techn, Vol XXX, No 8,
1958, pp 529-532.

Assoc Tech Serv 48X270
8.50

Sci - Chem
OTS I, 4
Apr 59

83, 256

Advances in the Knowledge of Technical Reaction
Engineering, by Prof Dr D. W. Van Krevelen, 16 pp.
1958

GERMAN, par, Chem Eng Tech, Vol XXX, No 9, 1958,
pp 553-559.

ATS-894-65
CIA/PDD XX-606
SLP 59-10136
SLP 59-10511
ATS-06-4584

Sci - Chem
May 59

THIS INTERNAL USE ONLY

86,137

Continuation of Vibratory Ball Mills, by W. Patel,
8 pp.

GERMAN, par, ~~Chemie-Ingenieur-Technik~~, Vol XXX,
No 9, 1958, pp 567-572.

SLA 59-15336

Sci

Dec 59

Vol 2, No 4

X2101 151-

102,678

Technology of Coking Coal Production,
by W. Grunder.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXX, 1958, pp 573-576.

CSIRO 4660

Sci - Min/Met
Jul 62

204,869

Safety Requirements for Pressure Vessels,
by W. Knop.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXX, 1958, pp 664-665.

CSIRO

Sci - Engr

191,730

Apr 62

Optimum Conditions for the Enrichment of Heavy
Water in Hot-Cold Columns. Part II. The Enriching
System, the Stripping System and the Transfer
Column, by K. Bler,

GERMAN, per, Chem Ing-Tech, Vol XXII, No 1, 1957,
pp 22-30.

AEC NP-Tr-400

Sci - Nuc Phys

May 60

117, 38

TT-65-11971 Field 7D Knacke, O.; Pohl, H. EXPERIMENTAL CONTRIBUTION TO THE FUNDAMENTALS OF PELLETIZING. 10p, 6refs. Order from SLA: \$1.10 as TT-65-11971 Trans. of <u>Chemie-Ingenieur-Technik</u> (West Germany) v31 n1 p50-4 1959. CSIRO	TT-65-11971 I. Knacke, O. II. Pohl, H. MP 622
--	--

Gas Convection in Ultracentrifuges and Its Significance
in the Development of Gas Centrifugation, by H.
Martin, 27 pp. 9076789

GERMAN, per, Chem Ingr Tech, Vol XXXI, 1959,
pp 73-79.

AEC NP Tr-493

Sci - Chem
9 Mar 61

141,573

Construction of Solid Bed Reactors for
Catalytic Gas Phase Processes, by F.
Claser.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXXI, 1959, pp 94-100.

CSIRO

Sci - Electronics
Oct 61

171,306

Air Filters for the Separation of Radioactive Dust,
by F. H. Becker, 10 pp.

GERMAN, nat. Chem Ingr Tech, Vol XXXI, 1959,
pp 145-148.

AEC IG18-(R)(RD/A)

Sci - Chem
Jun 60

118,888

Mass and Heat Transfer Between Two Fluid Phases,
by F. Grassman, 13 p.

GERMAN, per, Chem-Ing-Tech, 1959, Vol XXII,
No 3, pp 148-153.

ATS-681.330

Sci
Mar 60
Vol 2, No 11

109,671

Ernst, Rudolf.

MECHANISM OF HEAT TRANSFER ON HEAT EXCHANGERS IN A FLUIDIZED BED (TURBULENT FLOW) (Der Mechanismus des Wärmeüberganges an Wärmeaustauschern in Fliessbetten (Wirbelschichten)). [1961] [32]p. (15 figs. omitted) 19 refs. Order from SLA \$3.60

61-20483

Trans. of Chemie Ing[énieur] Techn[ik] (West Germany) 1959, v. 31, no. 3, p. 166-173.

DESCRIPTORS: *Fluidized solids, *Heat transfer, Turbulent flow, *Heat exchangers, Gases, Pressure.

The connection between heat transfer and movement of solid particles was investigated for a fluidized bed and a moving bed. The mechanism of heat transfer in fluidized beds is this: The contact time of solid particles on a heated surface determines the heat (Engineering--Chemical, TT, v. 7, no. 1) (over)

61-20483

I. Ernst, R.

Office of Technical Services

Hydrodynamic Seal for Rotating Shafts, by E.
Boon, S. E. Tal, 31 pp.

CZECH, per, Chem. Ingr. Tech, Vol XXXI, 1959,
pp 202-212.

AEC DEG-Inf-Ser-13

Sci
Jun 61

156,082

A Spray Dryer for Thick Pastes or Cakes,
by E. Fochmüller.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXXI, No 4, 1959, pp 259, 260.

CSIRO

Eoi - Hggr
Jun 62

203,357

New Apparatus for Stirring Liquids, by B. Eck, 4 p.

GERMAN, per, Chem-Ing-Tech, 1959, Vol XXXI, No 4,
pp 260-261.

ATS-15L34G

Sci
Mar 60
Vol 2, No 11

109,572

~~SECRET~~ German Procedures for the Enrichment
of the Uranium Isotope, by W. Groth, 15 pp.

GERMAN, per, Chem Ingr Tech, Vol XXXI, No 5,
1959, pp 310-318.

AK: GAT-2-5016

Sci - Chem
Apr 61

149,008

A Contribution to the Problem of the Action of
Sulfuric Acid on the Dew Point Temperature of Flue
Gases, by P. Muller, 14 p.

GERMAN, per, Chem-Ing-Tech 1959, Vol XXXI, No 5,
pp 345-351.

ATS-49L34G

AT 7/21/60

See

Apr 60

Vol III, No 2

111,698

Heat-Transfer in a Thin-Film Evaporator, by
H. A. Leniger, J. Veldstra.

GEFMAN, per, ~~Chemie-Ingenieur-Technik~~,
Vol XXXI, No 8, 1959, pp 493-497.

CSIRO

Sci - Phys

191, 731

Apr 62

Development of a Bursting Disc With a More
Accurate Response, by J. Nitschke.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXXI, 1959, pp 511-516.

CBIRO

Sci - Engr
Aug 62

257,357

Fine Grinding With Mechanically Driven Impact
Machines, by W. Beuschausen.

GERMAN, per, Chemie-Ingenieur-Technik, No 9,
1959, pp 553-560.

CSIRO

OTS 62-25791

Sci - Engr

Jun 61

156,931

Comparative Stirring Tests in Mixing
Soluble Liquids in a 12,000 Cubic Meter
Tank, by J. G. van de Vusse, 9 pp.

GERMAN, per, Chemie Ingenieur Technik,
Vol XXI, No 9, 1959, pp 583-587.

ATB-51136G

Sci
Mar 62
Vol IV, No 2

188, 856

Dispersion of Gases in Liquids by Stirrers, by
H. Karweit, 21 pp.

GERMAN: per, Chemie Ingenieur Technik, Vol XXXI,
No 9, 1959, pp 588-598.

ATS-52L36G

186,309

MMT 62

**Plastic-Coated Packaging Paper and Packaging
Material Combinations, by H. Berger.
GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXXI, No 10, 1959, pp 642-645.
GB/39/PL 7923**

**EEur-Germany
Econ
Jul64**

262,556

Fuchs, W., Glaser, F., and Bendel, E.
FILTRATION ADSORPTION (Filtrierende Adsorption).
19 Nov 59 [7]p. (foreign text included) 2 refs.
Order from GTS or SLA 51.10 60-13259

Trans. of Chemie-Ing[eneur]-Techn[ik] (West Germany)
1959, v. 31, no. 10, p. 677-679.

DESCRIPTORS: Chemical engineering, *Separation,
*Adsorption, *Organic solvents, Industrial research,
Adsorbents.

Theoretical and practical investigations have led to a
new unit operation, termed "filtration adsorption." An
example is the separation of an unblown primary bitu-
men. Finally, a definition shows the differences be-
tween this operation and ordinary filtration and adsorp-
tion. (Author)

(Engineering-Chemical, TT, v. 8, no. 3)

60-13259

- I. Fuchs, W.
- II. Glaser, F.
- III. Bendel, E.
- IV. Bureau of Mines,
Washington, D. C.

5-15-61

Office of Technical Services

Method for Comparing the Effects of
Disperse Fungicides, by G. Stellmach.

GERMAN, per, Chemie-Ingenieur Technik,
Vol XXII, No 11, 1959, pp 731-734.

CSIRO

Sci - Chem
Jun 62

203,360

Greco, G. and Soldano, U.
NEW PLANTS TO PRODUCE FORMALDEHYDE
FROM METHANOL. [1961] 13p. 22 refs.
Order from RIS \$25.00 RIS S-2120

Trans. of Chemie-Ingenieur-Technik (West Germany)
1959, v. 31, no. 12 [p. 761-763].
Another trans. is available from SLA \$1.60 as
61-20895 [1961] 15p.

DESCRIPTORS: *Chemical industry, Germany,
Chemical engineering, *Formaldehyde, Production,
*Methanols, Oxidation, Dehydrogenation, Silver
catalysts, Metallic compounds, Oxides, Catalysts

(Engineering--Chemical, TT, v. 7, no. 5)

62-12439

- I. Greco, G.
- II. Soldano, U.
- III. RIS S-2120
- IV. Research Information
Service, New York

Office of Technical Services

Rolled Venetian Blind Impeller With Changing Inci-
dence, a New Impeller for Blowers and Pumps,
by B. Eck.

GERMAN, par, Chemie-Ingenieur-Technik,
Vol XXXII, 1960, pp 94-96.

CSIRO

Sci - Engr
Aug 62

207,355

Rumpf, H. PRINCIPLES OF IMPACT SIZE REDUCTION AND THEIR APPLICATION TO JET GRINDING. [1960] 14p. Order from ATS \$17.20 ATS-70M46G Trans. of Chem[ist]-Eng[ineer]-Tech[nik] (West Germany) 1960, v. 32, no. 3, p. 129-135. 148,635 (Engineering--Chemical, TT, v. 5, no. 7)	61-12641 1. Powders--Processing 2. Title: Jet grinding 3. Title: Impact size reduction I. Rumpf, H. II. ATS-70M46G III. Associated Technical Services, Inc., East Orange, N. J. ATS/294-55 Office of Technical Services
--	--

Physical and Economic Problems Involved in the
Transport of Solid Particles by Liquids and
Gases, by H. Barth.

GERMAN, per, Chem-Eng-Tech, Vol XXXII, No 3,
1960, pp 164-170.

TN7 E57 No 344
Dept Int
TN7 E57 No 344

Sci - Chem
23 Mar 61

BIS 2152
143,683

Process Technological Problems in Coal Briquetting,
by F. Wulf.

GERMAN, per, Chemie-Ingenieur Technik, Vol XXXII,
No 3, 1960, pp 198-201.

NCE A.1857
R.1861

Sci.

Aug 61

List No 41

163,537

The Directives Regarding the Compensation for
Employees' Inventions in Private Employment,
by W. Beil.

GERMAN, per, Chemie-Ingenieur-Technik, Vol 32,
1960, pp 247-249.

NTC 71-14282-05D

Mar 72

The Fluidising Impact Process for the Drying of
Loose Granular Material, by L. Leik.

GERMAN, per: Chemie-Ingenieur-Technik, Vol. XXVII,
Apr 1960, pp 253-257.

BISI 2927

Sci - Engr

Oct 62

212,279

List 149

Vortex-Thrust Process for the Drying of Bulk-Goods, by L. Belik.

GERMAN, per, Chemie-Ingr-Tech, Vol 32, No 4, 1960, pp 253-257.

AAEC LIB/TRANS 183

Sci/Chem
July 69

386-855

Corrosion of Refractory Bricks in Chemical
Furnaces, by E. Steinhoff.

GERMAN, per, Chemie Ingenieur Technik,
Vol IV, 1960, ~~pp 267-278.~~

GB/137

Sci
Dec 62

Double-Acting Axial Slip Rings in the Chemical
Industry, by Ehrhard Mayer, 14 pp.

GERMAN, per, Chemie-Ingenieur-Technik, Vol XXXII,
1960, pp 285-288. 9097860

AEC Tr-4952

Sci - Chem, Engr
Apr 62

189, 945

On Comminution in Pin-Disc Mills, by W. Batel.

GERMAN, per, Chemie Ingenieur Technik, Vol XXXII,
No 1, 1960, pp 88 448-454.

Dept of Interior
TN7 E57 No 438

173,836

Sci - Engr

Nov 61

The Measurement of the Coefficient of Temperature
Conductivity of Thermoplastics at Ranges Between
20 and 200°C, by Hans Frielingsdorf, 34 pp.
GERMAN, per, Chemie-Ingenieur-Technik, Vol XXXII,
No 4, 1960, pp 291-~~332~~297. 9226128
AEC-SC-T-64-1647

Sci-Chem
Jan 65

270,615

TT-64-10914

Grunewald, Th.
INFLUENCE OF HIGH RADIATION DOSES ON THE
GAS AND WATER VAPOR PERMEABILITY OF SOME
PACKING FILMS. 26 Jun 63, 6p
Order from SLA \$1.10

TT-64-10914

Trans. of Chemie-Ing[enieur]-Techn[ik] (West
Germany) 1960, v. 32, no. 4, p. 297-298.

(Engineering--Chemical, TT, v. 11, no. 12)

1. Grunewald, T.

Office of Technical Services

Experiments For the Determination of Particle
Movement in Gas Jets and Laminar Flow
in Jet Mills, by E. Rumpf, 13 pp.

GERMAN, ger., Chemie-Ingenieur-Technik,
Vol. XLIII, No 5, 1960, pp 335-342.

ATB-67142G

Bei
Vol IV, No 7
Apr 62

193,866